

REMARKS

The applicant's remarks are in response to the Office Action dated April 15, 2004. Claims 1-3, 5 and 6 are rejected under 35 U.S.C. § 102(b) as being anticipated by Kwon et al., U.S. Patent No. 5,070,297 ("Kwon"). Additionally, claims 1-5 and 7 are rejected under 35 U.S.C. § 102(b) as being anticipated by Lee et al., U.S. Patent No. 5,014,161 ("Lee"). The Examiner essentially contends that Kwon and Lee recite all the recitations of the claims for which they are cited against respectively.

In response to the Office Action, the applicant has amended claim 1 to now include the recitations wherein the plurality of flexible leads are permanently bonded to the electrical circuitry of the substrate as well as the plurality of flexible leads having flexible portions disposed within the substrate. No new matter has been added by this amendment. Neither Kwon nor Lee teaches both of these two additional recitations.

Specifically, Kwon does not include flexible portions of leads disposed within an encapsulant layer. The Kwon leads include manifestly-rigid vertical vias extending through a layer 32 (Fig. 2). The Kwon vias are connected to horizontally-extending portions 28 on top of layer 32 which, in turn, are connected to hard tips 18 mounted to metal bumps 20. Whether or not the horizontal portions 28 of Kwon's leads are flexible or deformable, those portions are not disposed within layer 32. Nothing in the reference has been pointed out as suggesting that a portion of the lead disposed within an encapsulant layer is capable of deforming.

Lee does contain flexible wires disposed within a layer which will apparently deform; however, Lee's wires are not permanently bonded to the electrical circuitry of the substrate.

At col. 4, lns. 28-45, the Lee disclosure details an elastomeric matrix having a plurality of discrete conductive elements embedded therein. While the conductive elements (leads) are structured so as to be parallel to one another, there is no mention of permanently bonding the leads to the terminals of the substrate.

Thus, for all the foregoing reasons, applicant contends that claim 1 should be deemed to contain patentable subject matter.

Claims 2-7 depend from claim 1 and, thus, include all the recitations included from the claim or claims from which they depend. Therefore, for all the reasons made in conjunction with claim 1 of the present application, claims 2-7 should also be deemed to contain patentable subject matter. Additionally, claims 2-7 have been amended by substituting the article "The" for the article "A" beginning each claim. No new matter has been added by these amendments.

As it is believed that all of the rejections set forth in the Official Action have been fully met, favorable reconsideration and allowance are earnestly solicited.

If, however, for any reason the Examiner does not believe that such action can be taken at this time, it is respectfully requested that the Examiner telephone applicant's attorney at (908) 654-5000 in order to overcome any additional objections which the Examiner might have.

Application No.: 10/728,308

Docket No.: TESSERA 3.0-195 DIV DIV

If there are any additional charges in connection with this requested amendment, the Examiner is authorized to charge Deposit Account No. 12-1095 therefor.

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Respectfully submitted,

By 

Raymond Garguilo, Jr.

Registration No.: 50,930

LERNER, DAVID, LITTENBERG,

KRUMHOLZ & MENTLIK, LLP

600 South Avenue West

Westfield, New Jersey 07090

(908) 654-5000

Attorney for Applicant

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